

Amendment and Response Under 37 C.F.R. 1.116

Applicant: Roland Harend et al.

Serial No.: 10/848,927

Filed: May 19, 2004

Docket No.: 1435.101.101/13233US

Title: METHOD AND DEVICE FOR CREATING DATA PACKETS IN A PACKET-BASED DATA-TRANSMISSION NETWORK

IN THE CLAIMS

1. (Previously Presented) A method for transmitting data packets via a connection in a packet-based data-transmission network, comprising:
 - creating the data packets such that each comprises useful data and packet data containing information items necessary for the transmitting;
 - after setting up the connection, creating the packet data for a first data packet of this connection with a main processor and storing the packet data as memory packet data; and
 - creating the packet data of the other data packets of the same connection with an auxiliary processor at least partly from memory packet data that have been previously stored for the connection.
2. (Original) The method of claim 1, further comprising calculating the packet data for at least one data packet in accordance with a stack of protocol layers in the data-transmission network and storing packet data for at least one data packet as memory packet data for the connection.
3. (Previously Presented) The method of claim 2, wherein after setting up the connection, at least a first data packet is not transmitted via the data-transmission network.
4. (Previously Presented) The method of claim 2, further comprising calculating the packet data by the main processor in accordance with a stack of protocol layers.
5. (Original) The method of claim 1, further comprising subdividing the packet data into packet-data fields.

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6. (Previously Presented) The method of claim 1, wherein the packet data meet the requirements of protocol layers.
7. (Original) The method of claim 1, further comprising transferring the memory packet data at least in part unaltered to the packet data of the data packets.
8. (Original) The method of claim 1, further comprising altering the memory packet data at least in part as a function of the useful data and the connection and transferring the memory packet data in altered form to the data packets.
9. (Original) The method of claim 1, further comprising altering the memory packet data at least in part as a function of the useful data or the connection and transferring the memory packet data in altered form to the data packets.
10. (Previously Presented) The method of claim 1, wherein the useful data contain speech data, audio data or video data.
11. (Previously Presented) The method of claim 1, wherein the connection is a telephone connection or a fax connection.
12. (Original) The method of claim 1, further comprising providing the useful data with packet data in accordance with a real-time protocol.
13. (Original) The method of claim 1, further comprising providing the useful data with packet data in accordance with an IP protocol.

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14. (Previously Presented) The method of claim 1, wherein the data-transmission network is selected from a group comprising an Ethernet, HDLC, frame-relay, IP network, and an ATM network.

15. (Original) The method of claim 1, further comprising reading the useful data in via a physical terminal and creating the packet data at least in part as a function of the terminal via which the useful data are read in.

16. (Previously Presented) A device for transmission of data packets via a connection in a packet-based data-transmission network, wherein the data packets each comprise useful data and packet data containing information items necessary for the transmission, the device comprising:

a main processor for creating, after setting up the connection, the packet data for a first data packet of this connection and storing the packet data as memory packet data; and

an auxiliary processor for creating the packet data of the other data packets of the same connection at least in part from the memory packet data that have been previously stored for the connection.

17. (Previously Presented) The device of claim 16, wherein the packet data for at least one data packet are calculated in accordance with a stack of protocol layers in the data-transmission network and are stored as memory packet data for the connection.

18. (Previously Presented) The device of claim 16, wherein after setting up the connection, at least a first data packet is not transmitted via the data-transmission network.

19. (Previously Presented) The device of claim 16, wherein the packet data are calculated by the main processor in accordance with a stack of protocol layers.

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20. (Previously Presented) The device of claim 16, wherein the packet data are subdivided into packet-data fields.